

## Portner, Ginny

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To: STIC-ILL  
Subject: neurotoxin

Characterization of bacteriophage nucleic acids obtained from *Clostridium botulinum* types C and D.

Fujii N ; Oguma K ; Yokosawa N; Kimura K; Tsuzuki K  
Department of Microbiology, Sapporo Medical College, Japan.  
Applied and environmental microbiology (UNITED STATES) Jan 1988 , 54  
(1) p69-73, ISSN 0099-2240 Journal Code: 7605801  
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Languages: ENGLISH  
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Subfile: INDEX MEDICUS

Establishment of a monoclonal antibody recognizing an antigenic site common to *Clostridium botulinum* type B, C1, D, and E toxins and tetanus toxin.

Tsuzuki K; Yokosawa N; Syuto B; Ohishi I; Fujii N ; Kimura K; Oguma K  
Department of Microbiology, Sapporo Medical College, Japan.  
Infection and immunity (UNITED STATES) Apr 1988 , 56 (4) p898-902,  
ISSN 0019-9567 Journal Code: 0246127  
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| <b>E.C. number</b>          | 3.4.24.69  |
| <b>Name</b>                 | Bontoxilysin   |
| <b>Alternative names</b>    | ⌚ Botulinum neurotoxin   |
| <b>Reaction</b>             | Limited hydrolysis of proteins of the neuroexocytosis apparatus, synaptobravins, SNAP25 or syntaxin. No detected action on small molecule substrates.  |
| <b>Cofactors</b>            | ⌚ Zinc   |
| <b>Comment</b>              | ⌚ Belongs to peptidase family M27.   |
| <b>Links to : PROSITE</b>   | ⌚ <a href="#">PDOC00129</a>  |
| <b>Links to : SWISSPROT</b> | <a href="#">P10845</a> BXA_CLOBO <a href="#">P10844</a> BXB_CLOBO <a href="#">P18640</a> BXC1_CLOBO<br><a href="#">P19321</a> BXD_CLOBO <a href="#">Q00496</a> BXE_CLOBO <a href="#">P30995</a> BXE_CLOBU<br><a href="#">P30996</a> BXF_CLOBO <a href="#">Q60393</a> BXG_CLOBO |